

CRF Errors Corrected by the STIC Systems Branch  
Serial Number: 09/834,794A

CRF Processing Date: 7/24/2001  
Edited by: A  
Verified by: A (STIC staff)

OIPE #5  
7/24/2001

**ENTERED**

Changed a file from non-ASCII to ASCII

Changed the margins in cases where the sequence text was "wrapped" down to the next line.

Edited a format error in the Current Application Data section, specifically:

Edited the Current Application Data section with the actual current number. The number inputted by the applicant was  the prior application data; or  other \_\_\_\_\_

Added the mandatory heading and subheadings for "Current Application Data".

Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer.

Changed the spelling of a mandatory field (the headings or subheadings), specifically:

Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were:

Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:

Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place.

Inserted colons after headings/subheadings. Headings edited included: ..

Deleted extra, invalid, headings used by an applicant, specifically:

Deleted:  non-ASCII "garbage" at the beginning/end of files;  secretary initials/filename at end of file;  page numbers throughout text;  other invalid text, such as \_\_\_\_\_

Inserted mandatory headings, specifically: \_\_\_\_\_

Corrected an obvious error in the response, specifically:

Seq 9 - corrected L2127 response

Edited identifiers where upper case is used but lower case is required, or vice versa.

Corrected an error in the Number of Sequences field, specifically:

A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.

Deleted ending stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a PatentIn bug). Sequences corrected: \_\_\_\_\_

Other:

\_\_\_\_\_  
\_\_\_\_\_

Examiner: The above corrections must be communicated to the applicant in the first Office Action. DO NOT send a copy of this form.

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/09/834,794A

DATE: 07/24/2001  
TIME: 20:03:19

Input Set : A:\Pto.amc  
Output Set: N:\CRF3\07242001\I834794A.raw

PS

3 <110> APPLICANT: Lawrence, Papsidero  
 4 Lyn, Dyster  
 5 Jana, Frustaci  
 7 <120> TITLE OF INVENTION: Detection and Treatment of Breast Cancer  
 9 <130> FILE REFERENCE: 3380/11127-US4  
 11 <140> CURRENT APPLICATION NUMBER: 09/834,794A  
 12 <141> CURRENT FILING DATE: 2001-04-13  
 14 <150> PRIOR APPLICATION NUMBER: 09/146,580  
 15 <151> PRIOR FILING DATE: 1998-09-03  
 17 <150> PRIOR APPLICATION NUMBER: 60/071,899  
 18 <151> PRIOR FILING DATE: 1998-01-20  
 20 <150> PRIOR APPLICATION NUMBER: 60/092,155  
 21 <151> PRIOR FILING DATE: 1998-07-09  
 23 <160> NUMBER OF SEQ ID NOS: 35  
 25 <170> SOFTWARE: PatentIn version 3.0  
 27 <210> SEQ ID NO: 1  
 28 <211> LENGTH: 127  
 29 <212> TYPE: PRT  
 30 <213> ORGANISM: Homo sapiens  
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 33 <221> NAME/KEY: UNSURE  
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 35 <223> OTHER INFORMATION: Xaa at position 70 is either Arg or Gly  
 38 <220> FEATURE:  
 39 <221> NAME/KEY: UNSURE  
 40 <222> LOCATION: (91)..(91)  
 41 <223> OTHER INFORMATION: Xaa at position 91 is either Lys or Asn  
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 46 Met Gln Gln Arg Gly Leu Ala Ile Val Ala Leu Ala Val Cys Ala Ala  
 47 1 5 10 15  
 49 Leu His Ala Ser Glu Ala Ile Leu Pro Ile Ala Ser Ser Cys Cys Thr  
 50 20 25 30  
 52 Glu Val Ser His His Ile Ser Arg Arg Leu Leu Glu Arg Val Asn Met  
 53 35 40 45  
 55 Cys Arg Ile Gln Arg Ala Asp Gly Asp Cys Asp Leu Ala Ala Val Ile  
 56 50 55 60  
 W-> 58 Leu His Val Lys Arg Xaa Arg Ile Cys Val Ser Pro His Asn His Thr  
 59 65 70 75 80  
 W-> 61 Val Lys Gln Trp Met Lys Val Gln Ala Ala Xaa Lys Asn Gly Lys Gly  
 62 85 90 95  
 64 Asn Val Cys His Arg Lys Lys His His Gly Lys Arg Asn Ser Asn Arg  
 65 100 105 110  
 67 Ala His Gln Gly Lys His Glu Thr Tyr Gly His Lys Thr Pro Tyr  
 68 115 120 125  
 70 <210> SEQ ID NO: 2  
 71 <211> LENGTH: 104  
 72 <212> TYPE: PRT

RAW SEQUENCE LISTING DATE: 07/24/2001  
PATENT APPLICATION: US/09/834,794A TIME: 20:03:19

Input Set : A:\Pto.amc  
Output Set: N:\CRF3\07242001\I834794A.raw

73 <213> ORGANISM: Homo sapiens  
75 <220> FEATURE:  
76 <221> NAME/KEY: UNSURE  
77 <222> LOCATION: (47)..(47)  
78 <223> OTHER INFORMATION: Xaa at position 47 is either Arg or Gly  
81 <220> FEATURE:  
82 <221> NAME/KEY: UNSURE  
83 <222> LOCATION: (68)..(68)  
84 <223> OTHER INFORMATION: Xaa at position 68 is either Lys or Asn  
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89 Leu Pro Ile Ala Ser Ser Cys Cys Thr Glu Val Ser His His Ile Ser  
90 1 5 10 15  
92 Arg Arg Leu Leu Glu Arg Val Asn Met Cys Arg Ile Gln Arg Ala Asp  
93 20 25 30  
W--> 95 Gly Asp Cys Asp Leu Ala Ala Val Ile Leu His Val Lys Arg Xaa Arg  
96 35 40 45  
98 Ile Cys Val Ser Pro His Asn His Thr Val Lys Gln Trp Met Lys Val  
99 50 55 60  
W-> 101 Gln Ala Ala Xaa Lys Asn Gly Lys Gly Asn Val Cys His Arg Lys Lys  
102 65 70 75 80  
104 His His Gly Lys Arg Asn Ser Asn Arg Ala His Gln Gly Lys His Glu  
105 85 90 95  
107 Thr Tyr Gly His Lys Thr Pro Tyr  
108 100  
110 <210> SEQ ID NO: 3  
111 <211> LENGTH: 18  
112 <212> TYPE: PRT  
113 <213> ORGANISM: Homo sapiens  
115 <400> SEQUENCE: 3  
117 Thr Glu Val Ser His His Ile Ser Arg Arg Leu Leu Glu Arg Val Asn  
118 1 5 10 15  
120 Met Cys  
123 <210> SEQ ID NO: 4  
124 <211> LENGTH: 16  
125 <212> TYPE: PRT  
126 <213> ORGANISM: Homo sapiens  
128 <400> SEQUENCE: 4  
130 Lys Asn Gly Lys Gly Asn Val Cys His Arg Lys Lys His His Gly Lys  
131 1 5 10 15  
133 <210> SEQ ID NO: 5  
134 <211> LENGTH: 19  
135 <212> TYPE: PRT  
136 <213> ORGANISM: Homo sapiens  
138 <400> SEQUENCE: 5  
140 Asn Ser Asn Arg Ala His Gln Gly Lys His Glu Thr Tyr Gly His Lys  
141 1 5 10 15  
143 Thr Pro Tyr  
146 <210> SEQ ID NO: 6  
147 <211> LENGTH: 3117

RAW SEQUENCE LISTING DATE: 07/24/2001  
 PATENT APPLICATION: US/09/834,794A TIME: 20:03:19

Input Set : A:\Pto.amc  
 Output Set: N:\CRF3\07242001\I834794A.raw

148 <212> TYPE: DNA  
 149 <213> ORGANISM: Homo sapiens  
 151 <220> FEATURE:  
 152 <221> NAME/KEY: unsure  
 153 <222> LOCATION: (1)..(3117)  
 154 <223> OTHER INFORMATION: n at any position in the sequence represents a or g or c or t/u  
 157 <220> FEATURE:  
 158 <221> NAME/KEY: unsure  
 159 <222> LOCATION: (1)..(3117)  
 160 <223> OTHER INFORMATION: y at any position in the sequence represents t/u or c  
 163 <220> FEATURE:  
 164 <221> NAME/KEY: unsure  
 165 <222> LOCATION: (1)..(3117)  
 166 <223> OTHER INFORMATION: m at any position in the sequence represents a or c  
 169 <220> FEATURE:  
 170 <221> NAME/KEY: unsure  
 171 <222> LOCATION: (1)..(3117)  
 172 <223> OTHER INFORMATION: k at any position in the sequence represents g or t/u  
 175 <220> FEATURE:  
 176 <221> NAME/KEY: unsure  
 177 <222> LOCATION: (1)..(3117)  
 178 <223> OTHER INFORMATION: s at any position in the sequence represents g or c  
 181 <220> FEATURE:  
 182 <221> NAME/KEY: unsure  
 183 <222> LOCATION: (1)..(3117)  
 184 <223> OTHER INFORMATION: w at any position in the sequence represents a or t/u  
 187 <220> FEATURE:  
 188 <221> NAME/KEY: unsure  
 189 <222> LOCATION: (1)..(3117)  
 190 <223> OTHER INFORMATION: r at any position in the sequence represents g or a  
 193 <400> SEQUENCE: 6  

W-->	195	aacatcctca	cttgttgc	tgtcagtgcc	tgtanggcag	gcaggaatgc	agcagagagg	60
	197	actcgccatc	gtggccttgg	ctgtctgtgc	ggccctacat	gcctcagaag	ccatacttcc	120
	199	cattgcctcc	agctgttgca	cgaggtttc	acatcatatt	tccagaaggc	tcctggaaag	180
	201	agtgaatatg	tgtcgcatcc	agagagctga	tgggattgt	gacttggctg	ctgtcatcct	240
W-->	203	tcatgtcaag	cgcngaaagaa	tctgtgtcag	cccgacacaac	catactgtta	agcagtggat	300
W-->	205	gaaaagtgc当地	gctgccaana	aaaatggtaa	aggaaatgtt	tgccacagga	agaaaacacca	360
	207	tggcaagagg	aacagtaaca	gggcacatca	ggggaaacac	gaaacatacg	gccataaaac	420
	209	tccttattag	agaacttaca	gataaaatcta	cagagacaat	cccccaagtg	gacttggcca	480
	211	tgattggttt	taagtttatac	atctgaattc	tccttattgt	agacaacaga	acaaaacaaa	540
	213	atattggttt	ttaaaaaatg	aacaattgtg	ccgtatgcaa	atgtacccaa	taatataactc	600
W->	215	cactggaaaa	tgaaatgaaa	aaannatact	ggctgggtat	ggtgggtccc	cccttttatac	660
W->	217	ccannnnnctt	cgggaggcag	aggcaggagg	atcacttgag	accaggantt	ngagacnagc	720
W->	219	tngggc当地	anagcaanga	cntcathtt	acaaacnaaa	aaaaanntt	gccccgcntg	780
W->	221	gtagnacttg	cntataatcc	cagcnacatg	ggagtgtag	gtgggaggat	cacttgagtc	840
W->	223	tgggngagtt	ngaggtngca	gtgagcagcn	tgggtgacag	aatgnagacc	ntgtctctaa	900
W->	225	aaataataat	aataatgata	gtgtatatact	tcataataata	tttaagnag	gagcatata	960
W->	227	atataacttn	ctcccaactt	ttaattata	gtttccaaa	cttacagaga	agttaaaaga	1020
	229	atggtacaat	gaacatctat	atatcttca	ccacaatatt	aatcattgtt	aatattgtc	1080

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/09/834,794A

DATE: 07/24/2001  
TIME: 20:03:19

Input Set : A:\Pto.amc  
Output Set: N:\CRF3\07242001\I834794A.raw

W--> 231	cacatggct ttctcttcc tctttggta ggggtncaa tataaaatat tataactttt	1140
233	aaaatataat ttgttttgct accattgga aaataagttt caaaaatcat gacacttcac	1200
W--> 235	cccttagtttc tttnnggtgt tataacttga cataccctaa aataaaagaca tttttctaca	1260
237	taatcacctt atcagttta tacctaaaaa attaataatt tcataataata tattccatat	1320
239	tcaaattttc ccaacttattt agagagcatt ttatgttagtt ttttttcac tccagtaatc	1380
W--> 241	aatcaaggtn gacatacata ttgcaaaataa ttgttatttt tctttaatat ctttcaatct	1440
243	aagaaaagtcc ctctgtctt ttttttaat tttttaaattt attttgttga gggagggtct	1500
245	tgtctgtct tccagctgg agtgcagttt cacaattttt attttggctc actgaaggct	1560
W--> 247	caactttagg gctcaagcaa tcctcccacc tcagcctncc cgagtatctg ggatcaaggt	1620
249	geatacccac cacacctggc taattttgtt tatttttgtt agagacaggg tctcactatg	1680
251	ttgcccagggt tgatctcaa ctccctggct caagcgatcc tcccacotta gcctcccaa	1740
253	gtactggat tataggtgtg agccacagtg cctgcctaa ttattttctt gtgatcaa	1800
255	tcaggtttaa tgtttttgtt taagaatttc ctacgtgaat tcgtgtactt atttgtcat	1860
257	ttagagttaa taaatattag gtttattttt ctaaatagaa tagtttaaac taaatataac	1920
259	ttcaaaacgt ctatgtttag tagctaccgt tggttggatt gaaatttct gatactgaaa	1980
W--> 261	agaacaaaaa gcctgcctt ctgcccanaa csnnttgcyt cccccagtna gttttggng	2040
W--> 263	cagnactagt tagggnccca gagttnggc ttnngkgtgg tgattttang ytctgcctaa	2100
W--> 265	acaaggngcn wacatytttt agctcctatt ccaccytc namamgtttt tggtgtkgtt	2160
W--> 267	tgnttggttt ttkgagaca grrtnnayt ctgttgcctt argctggart tgcagtggca	2220
W--> 269	caatytnnggy tncatgc当地 cytcngcytc csgccgttc aaktgtattytt cttgcycatc	2280
W--> 271	cyclccccaaag taantgatatacaggnngcc cagccaccam accccgniga wttttgtatt	2340
W--> 273	tttartarar amrgggtttt cccgcnttgg cnnggcttgg ctcnaantcc ttgamctcna	2400
W--> 275	ktgaaccacc cgcctgtgcc ycccaaantg ctggaattac cancgttgan ccaccatgcc	2460
W--> 277	gggcycacac gttgarttt ganaccattt tnccatttctt ctttggct ytttttntc	2520
W--> 279	catagnngct tcaagataga tangtaagrg cccagtagtn gttcwtarga agcnmatagr	2580
W--> 281	rancrggarc canttnatc aggtggcag gtgtccnnngg cytccctgtt ggytntccc	2640
W--> 283	aagcgggtggt gttgc当地 nktnttggar gtgataatgg gananaccag naggcmctga	2700
W--> 285	gtyncnntag gttnaatgc cacaaaaact ggccttggc ctaatatccy ycmtgamta	2760
W--> 287	ntarcattt awtttattwa ttncctgac attttgcma nccttgcwt ttntatttcc	2820
W--> 289	nctntatara wgargaaatt tgaggntyy aragtaaaa tganttgcnr nrgtnnacmc	2880
W--> 291	aggaagtggc nraranaanc ttttanatn mgaaaaattt aataaaatat aatgagag	2940
293	taactaaaaa tattaataaa ccacaattttt aaattaatta accgtgataa ccaacattaa	3000
W--> 295	taaaagttaa gataccaaaaa cactgggtgn taatttttt aactaacaan ttgaatttt	3060
W--> 297	ttccattnaa aattaattaa ccgtgataac caacattaa aaaagttaa ataccgn	3117
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301	<211> LENGTH: 381	
302	<212> TYPE: DNA	
303	<213> ORGANISM: Homo sapiens	
305	<220> FEATURE:	
306	<221> NAME/KEY: unsure	
307	<222> LOCATION: (208)..(208)	
308	<223> OTHER INFORMATION: n may represent a or g or c or t/u	
311	<220> FEATURE:	/
312	<221> NAME/KEY: unsure	/
313	<222> LOCATION: (273)..(273)	
314	<223> OTHER INFORMATION: n may represent a or g or c or t/u	
317	<400> SEQUENCE: 7	
318	atgcagcaga gaggactcgc catcgtggcc ttggctgtct gtgcggccct acatgcctca	60
320	gaagccatac ttccattgc ctccagctgt tgcacggagg tttcacatca tattccaga	120

RAW SEQUENCE LISTING DATE: 07/24/2001  
 PATENT APPLICATION: US/09/834,794A TIME: 20:03:19

Input Set : A:\Pto.amc  
 Output Set: N:\CRF3\07242001\I834794A.raw

322 aggctcctgg aaagagtcaa tatgtgtcgc atccagagag ctgatgggaa ttgtgacttg 180  
 W--> 324 gctgctgtca tccttcatgt caagcgcnga agaatctgtg tcagccgc aaccatact 240  
 W--> 326 gttaagcagt ggatgaaaatg gcaagctgcc aaaaaaaaaatg gtaaaggaaa tgtttgcac 300  
 328 aggaagaaac accatggcaa gaggaacagt aacagggcac atcagggaa acacgaaaca 360  
 330 tacggccata aaactcctta t 381  
 333 <210> SEQ ID NO: 8  
 334 <211> LENGTH: 104  
 335 <212> TYPE: DNA  
 336 <213> ORGANISM: Homo sapiens  
 338 <400> SEQUENCE: 8  
 339 acacgaattc acgttaggaaa ttcttaacca aaaacattaa acctgaattt gatcacaaga 60  
 341 aaataattag gccaggcact gtggctcaca cctataatcc cagt 104  
 344 <210> SEQ ID NO: 9  
 345 <211> LENGTH: 25  
 346 <212> TYPE: DNA  
 347 <213> ORGANISM: Homo sapiens  
 349 <400> SEQUENCE: 9  
 350 gaattcacgt agggaaattct taacc 25  
 353 <210> SEQ ID NO: 10  
 354 <211> LENGTH: 22  
 355 <212> TYPE: DNA  
 356 <213> ORGANISM: Homo sapiens  
 358 <400> SEQUENCE: 10  
 359 actgggatta taggtgtgag cc 22  
 362 <210> SEQ ID NO: 11  
 363 <211> LENGTH: 311  
 364 <212> TYPE: DNA  
 365 <213> ORGANISM: Homo sapiens  
 367 <220> FEATURE:  
 368 <221> NAME/KEY: unsure  
 369 <222> LOCATION: (101)..(101)  
 370 <223> OTHER INFORMATION: n may be a or g or c or t/u  
 373 <220> FEATURE:  
 374 <221> NAME/KEY: unsure  
 375 <222> LOCATION: (162)..(162)  
 376 <223> OTHER INFORMATION: n may be a or g or c or t/u  
 379 <400> SEQUENCE: 11  
 380 ggagagagcc gtatgtttcg tttttccctt gatgtccctt gttactgttc ctcttgcac 60  
 W--> 382 gggtttctt cctgtggcaa acatttccctt taccattttt ntggcagct tgcaacttca 120  
 W--> 384 tccactgctt aacagatatgg ttgtgcgggc tgacacagat tnttctgcgc ttgacatgaa 180  
 386 ggatgacagc agccaagtca caatccccat cagctctcg gatgcgacac atattcactc 240  
 388 ttccaggag cttctggaa atatgtatgg aaacctccgt gcaacagctg gaggcaatgg 300  
 390 gaagtatggc t 311  
 393 <210> SEQ ID NO: 12  
 394 <211> LENGTH: 20  
 395 <212> TYPE: DNA  
 396 <213> ORGANISM: Artificial sequence  
 398 <220> FEATURE:  
 399 <223> OTHER INFORMATION: Sequencing primer T7

*FyJ*  
 Use of n and/or Xaa has been detected in the Sequence Listing.  
 Review the Sequence Listing to insure a corresponding  
 explanation is presented in the <220> to <223> fields of  
 each sequence using n or Xaa.

VERIFICATION SUMMARY  
PATENT APPLICATION: US/09/834,794A

DATE: 07/24/2001  
TIME: 20:03:20

Input Set : A:\Pto.amc  
Output Set: N:\CRF3\07242001\I834794A.raw

L:58 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1  
L:61 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1  
L:95 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2  
L:101 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2  
L:195 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6  
L:203 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6  
L:205 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6  
L:215 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6  
L:217 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6  
L:219 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6  
L:221 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6  
L:223 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6  
L:225 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6  
L:227 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6  
L:231 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6  
L:235 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6  
L:241 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6  
L:247 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6  
L:261 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6  
L:263 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6  
L:265 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6  
L:267 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6  
L:269 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6  
L:271 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6  
L:273 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6  
L:275 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6  
L:277 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6  
L:279 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6  
L:281 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6  
L:283 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6  
L:285 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6  
L:287 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6  
L:289 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6  
L:291 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6  
L:295 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6  
L:297 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6  
L:324 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7  
L:326 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7  
L:382 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11  
L:384 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11

OIPE

**RAW SEQUENCE LISTING**  
**PATENT APPLICATION: US/09/834,794A**

DATE: 07/05/2001  
TIME: 10:32:19

Input Set : A:\Sequenc3.txt  
Output Set: N:\CRF3\07052001\I834794A.raw

**Does Not Comply  
Corrected Diskette Needed**

3 <110> APPLICANT: Lawrence, Papsidero  
4 Lyn, Dyster  
5 Jana, Frustaci  
7 <120> TITLE OF INVENTION: Detection and Treatment of Breast Cancer  
9 <130> FILE REFERENCE: 3380/1I127-US4  
11 <140> CURRENT APPLICATION NUMBER: 09/834,794A  
12 <141> CURRENT FILING DATE: 2001-04-13  
14 <150> PRIOR APPLICATION NUMBER: 09/146,580  
15 <151> PRIOR FILING DATE: 1998-09-03  
17 <150> PRIOR APPLICATION NUMBER: 60/071,899  
18 <151> PRIOR FILING DATE: 1998-01-20  
20 <150> PRIOR APPLICATION NUMBER: 60/092,155  
21 <151> PRIOR FILING DATE: 1998-07-09  
23 <160> NUMBER OF SEQ ID NOS: 35  
25 <170> SOFTWARE: PatentIn version 3.0

## ERRORRED SEQUENCES

300 <210> SEQ ID NO: 7  
301 <211> LENGTH: 381  
E--> 302 <212> TYPE: NA *DNA*  
303 <213> ORGANISM: Homo sapiens  
305 <220> FEATURE:  
306 <221> NAME/KEY: unsure  
307 <222> LOCATION: (208)..(208) /  
308 <223> OTHER INFORMATION: n may represent a or g or c or t/u  
311 <220> FEATURE:  
312 <221> NAME/KEY: unsure  
313 <222> LOCATION: (273)..(273)  
314 <223> OTHER INFORMATION: n may represent a or g or c or t/u  
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322 aggctctgg aaagagtcaa tatgtgtcgc atccagagag ctgatggggta ttgtgacttg 180  
324 gctgctgtca tccttcatgtt caaggcnga agaatctgtg tcagccccca caaccatact 240  
326 gttaaaggactt ggatgaaagt gcaagctgcc aaaaaaaaaatgtt gtaaaaggaaa tgtttgcac 300  
328 aggaagaaaac accatggcaa gaggaacagt aacagggcac atcaggggaa acacgaaaca 360  
330 tacqqccata aaactcctta t 381

VERIFICATION SUMMARY  
PATENT APPLICATION: US/09/834,794A

DATE: 07/05/2001  
TIME: 10:32:20

Input Set : A:\Sequenc3.txt  
Output Set: N:\CRF3\07052001\I834794A.raw

L:58 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1  
L:61 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1  
L:95 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2  
L:101 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2  
L:195 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6  
L:203 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6  
L:205 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6  
L:215 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6  
L:217 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6  
L:219 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6  
L:221 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6  
L:223 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6  
L:225 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6  
L:227 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6  
L:231 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6  
L:235 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6  
L:241 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6  
L:247 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6  
L:261 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6  
L:263 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6  
L:265 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6  
L:267 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6  
L:269 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6  
L:271 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6  
L:273 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6  
L:275 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6  
L:277 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6  
L:279 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6  
L:281 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6  
L:283 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6  
L:285 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6  
L:287 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6  
L:289 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6  
L:291 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6  
L:295 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6  
L:297 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6  
L:302 M:310 E: (3) Wrong or Missing Sequence Type, TYPE:  
L:382 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11  
L:384 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11